

Notice of Allowability

Application No.

09/467,984

Examiner

Jerome Grant II

Applicant(s)

MATSUOKA, HIROCHIKA

Art Unit

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an amendment received 6-1-2004.
2. ☒ The allowed claim(s) is/are 1,3-7,9-11 and 13-22.
3. ☒ The drawings filed on 21 December 1999 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 3-16-2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

JEROME GRANT II
PRIMARY EXAMINER

Reasons for Allowance

1.

Claims 1, 3-6 are allowed for the reason the prior art does not teach or suggest, "... wherein the mapping maps the signal indicating brightness using a mapping condition which is computed in accordance with highlight portions of the input and output color gamuts, and increases a degree mapping of the highlighted portions compared to middle lightness and wherein the mapping condition is given by a piecewise function.

Claims 7-11 are allowed for the reason the reason the prior art does not teach or suggest, "wherein the mapping maps the signal indicating tincture using a mapping condition which is computed in accordance with high-saturation portions of the input and output color gamuts at a predetermined hue, and increases a degree of mapping of the high saturation portion..."

Claims 13-16 are allowed for the reason the prior art does not teach or suggest in claimed combination, "...wherein the first mapping process is a process of compressing a color gamut, and the second mapping process is a process for expanding the color gamut."

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Claim 17 is allowed for the reason the prior art does not teach or suggest, "... wherein the mapping maps the signal indicating brightness using a mapping condition which is computed in accordance with highlight portions of the input and output color gamuts and increases a degree of mapping of the highlight portions compared to middle lightness wherein the mapping condition is given by a piecewise function."

Claim 18 is allowed for the reason the prior art does not teach or suggest, wherein the mapping maps the signal indicating tincture using a mapping condition which is computed in accordance with high-saturation portions of the input and output color gamuts at a predetermined hue, and increases a degree of mapping of the high-saturation portion compared to a low saturation portion and wherein the mapping condition is given in a piecewise condition."

Claim 19 is allowed for the reason the prior art does not teach or suggest in claimed combination, "...wherein the first mapping process is a process for compressing a color gamut and the second mapping process is a process for expanding the color gamut."

Claim 20 is allowed for the reason the prior art does not teach or suggest in claimed combination, "... wherein the mapping maps the signal indicating brightness using a mapping condition which is computed in accordance with

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highlight portions of the input and output color gamuts, and increases a degree of mapping of the highlight portion compared to middle lightness.”

Claims 21 is allowed for the reason the prior art does not teach or suggest in claimed combination, “... wherein the mapping maps the signal indicating tincture using a mapping condition which is computed in accordance with high saturation portions of the input and output color gamuts at a predetermined hue, and increases a degree of mapping of the high-saturation portion compared to a low saturation portion wherein the mapping condition is given by a piecewise function.”

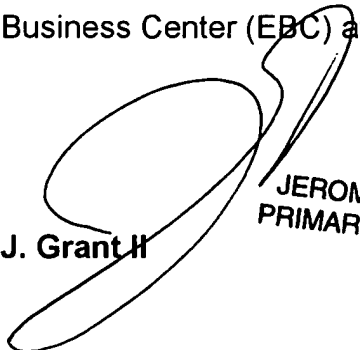
Claims 22 is allowed for the reason the prior art does not teach or suggest in claimed combination, “... “wherein the first mapping process is a process for compressing a color gamut, and the second mapping process is a process for expanding the color gamut.”

2.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 703-305-4391. The examiner can normally be reached on Mon.-Fri. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A Williams, can be reached on 703-305-4863. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


J. Grant II
JEROME GRANT II
PRIMARY EXAMINER